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6 Pages

PHOTOGRAPHIC INTERPRETATION REPORT

SA-3 SAM SITE TOWERS  
KAPUSTIN YAR/VLADIMIROVKA  
MISSILE TEST CENTER  
AND LENINGRAD AREA, USSR



CIA



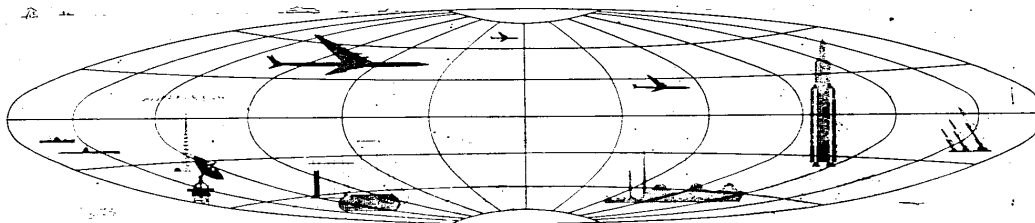
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# SA-3 SAM SITE TOWERS, KAPUSTIN YAR/VLADIMIROVKA MISSILE TEST CENTER AND LENINGRAD AREA, USSR

This report provides an answer to CIA requirement C-SI4-81,605, which requests a study and mensuration of the tower at the SAM Launch Complex (SA-3 launch area) of the Kapustin Yar/Vladimirovka Missile Test Center (Figure 1) and a comparison of it with the towers at the Leningrad SA-3 SAM sites.

An analysis of the Kapustin Yar SA-3 launch area was made from KEYHOLE photography. The single tower which was revealed is located in the central guidance area of the prototype-B-configuration SA-3 site (Figures 2 and 3). The tower is 35 by 30 feet and 30 feet high and is possibly latticed; the small scale of the photography precludes a more detailed description. The tower was first observed on KEYHOLE photography of and can be negated on photography of. No antennas or radar have been identified at the prototype-B-configuration SA-3 site.

An analysis was made of Leningrad SAM Sites C26B-3, D25-3, D32-3, and D34A-3. These four sites were selected from the 18 Leningrad SA-3 sites (Figure 4), all of which now have towers, because of their recent coverage by excellent-quality

Two lattice towers were revealed at each of the four sites, one located in the central guidance area and one outside it (Figures 5-8). Mensural data on the eight towers is provided in Table 1. One tower, located in the guidance area of Site D32-3, is surmounted by a vanlike unit which has a radar positioned on it. The radar unit apparently consists of a single truncated paraboloid reflector which is approximately 30 feet across. The other tower at the site apparently is also surmounted by a vanlike unit, but the presence of a radar cannot be determined. Leningrad SA-3 site which has been observed to be occupied. All eight towers at the four

Table 1. Mensural Data on Towers

Location	Dimensions of Tower in Guidance Area (ft. approx*)		Dimensions of Tower Outside Guidance Area (ft. approx*)		Distance Between Towers (ft. approx)
	Height	Length & Width	Height	Length & Width	
Leningrad SAM Site					
C26B-3	60	35 x 30	65	40 x 35	700
D25-3	70	30 x 25	65	30 x 25	800
D32-3	75	40 x 35	75	40 x 35	525
D34A-3	70	35 x 35	50**	40 x 35	700
Kapustin Yar SAM Launch Complex, SA-3 launch area					
	30	35 x 30	--	--	--

\*\*Less reliable than heights for other Leningrad towers.

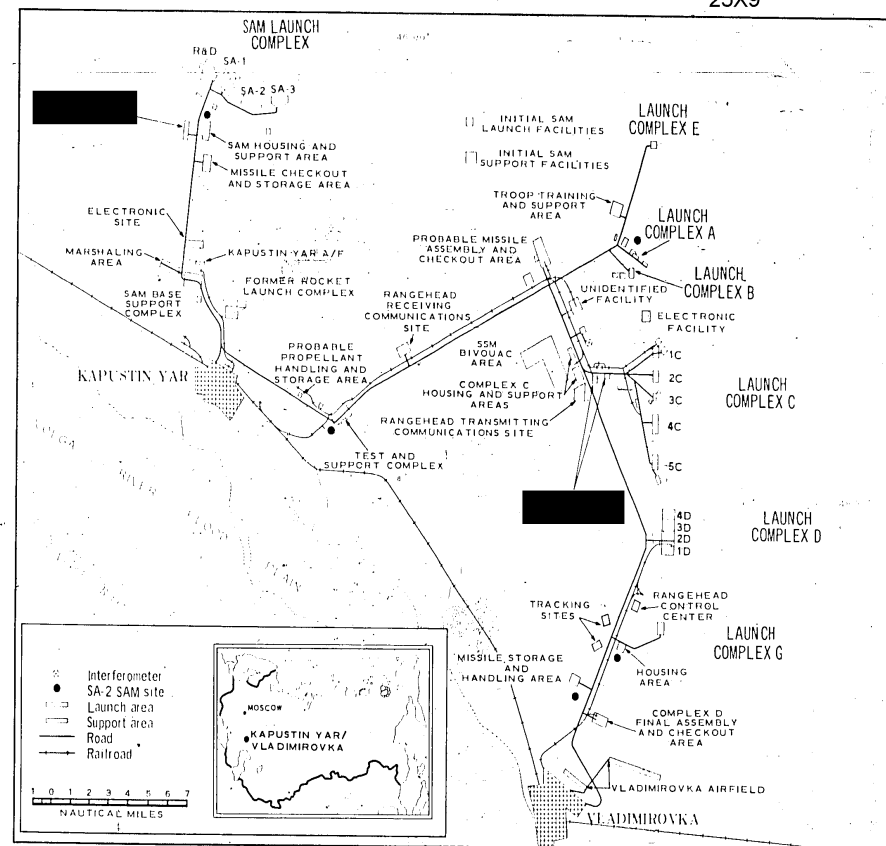
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FIGURE 1. LOCATION OF SA-3 LAUNCH AREA, KAPUSTIN YAR, VLADIMIROVKA MISSILE TEST CENTER, USSR.

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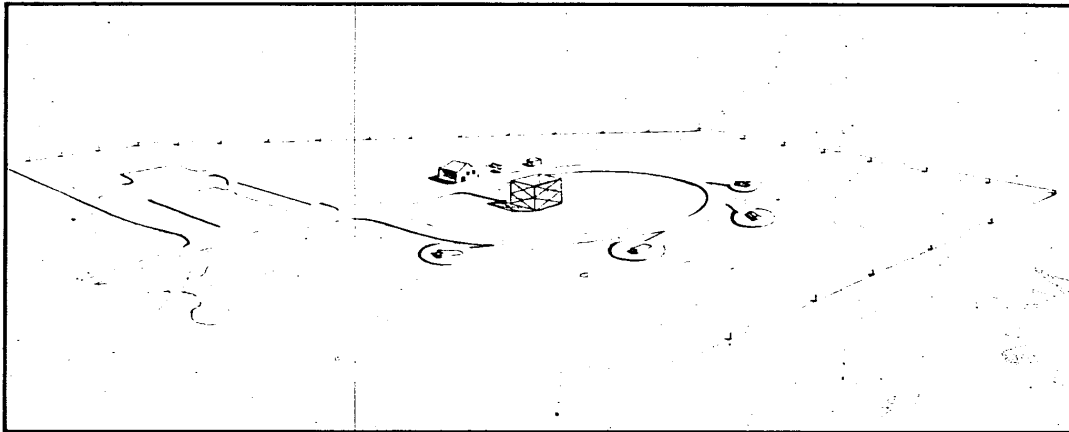


FIGURE 2. PERSPECTIVE DRAWING SHOWING TOWER AT SA-3 SITE, KAPUSTIN YAR SAM LAUNCH COMPLEX.

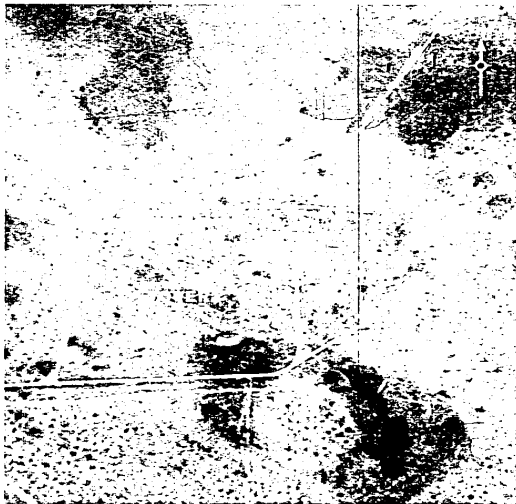


FIGURE 3. SA-3 LAUNCH AREA, KAPUSTIN YAR SAM LAUNCH COMPLEX.

analyzed sites were first observed in [REDACTED]  
[REDACTED] Though it may be  
recalled that two KEYHOLE missions covered  
Leningrad in [REDACTED]

the covering passes were ascending ones, making  
negation of the towers extremely difficult.

The only similarity which can be observed  
at this time between the Leningrad SA-3 site  
towers and the Kapustin Yar SA-3 launch area  
tower is their location in central guidance areas.  
No determination can be made as to their simi-  
larity in function or appearance. Their only sub-  
stantial difference is in number, i.e., the absence  
of a second tower at Kapustin Yar. The Len-  
ingrad towers are higher than the Kapustin Yar  
tower, but this difference possibly can be ac-  
counted for by the fact that the Leningrad sites  
have obvious tree masking problems while the  
Kapustin Yar site has no such problem.

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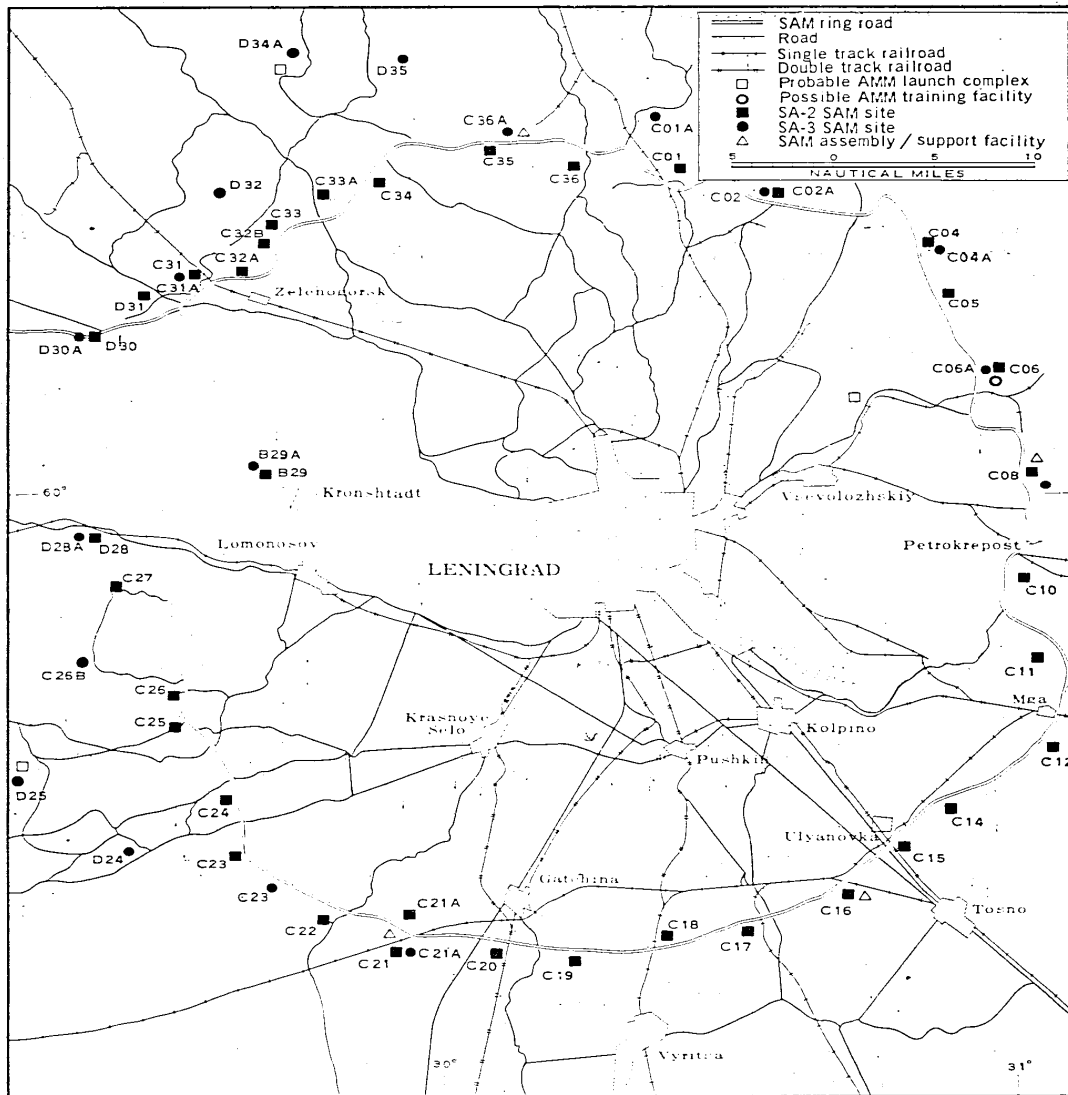


FIGURE 4. LOCATION OF SA-3 SAM SITES, LENINGRAD AREA, USSR.

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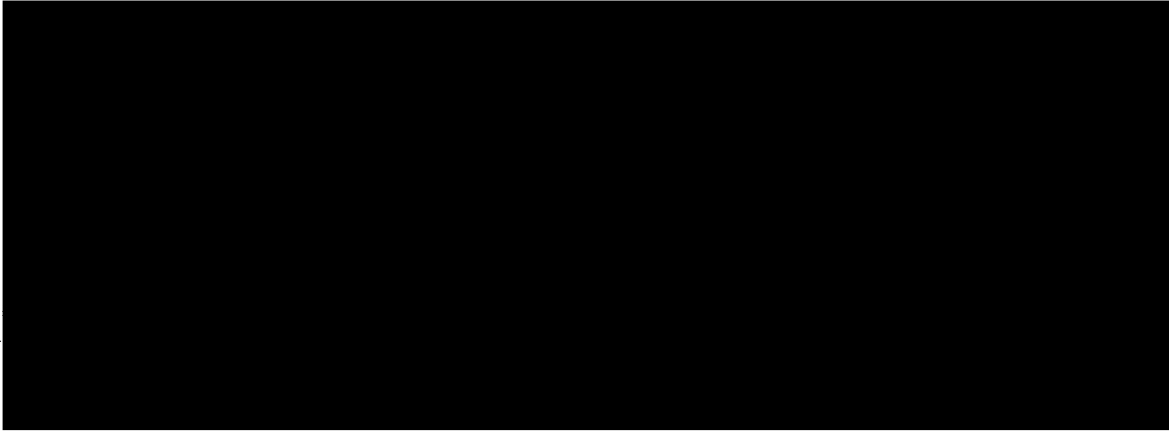
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REFERENCES

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MAPS OR CHARTS

- ACIC. US Air Target Chart, Series 200, Sheet 0235-22HL, 4th ed, May 63, scale 1:200,000 (SECRET)
- ACIC. US Air Target Chart, Series 200, Sheet 0103-25HL, 3d ed, Jun 62, scale 1:200,000 (SECRET)
- ACIC. US Air Target Chart, Series 200, Sheet 0153-4HL, 2d ed, May 63, scale 1:200,000 (SECRET)

REQUIREMENT

CIA. C-814-81,605

NPIC PROJECT

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